

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Original) A graphical user interface for controlling a virtual reality (VR) graphics system by means of interactions with a function selection system that provides at least two functions, the VR graphics system having a projection device for visualizing a virtual three-dimensional scene and the interactions with the VR graphics system being effected using at least one interaction unit which, in interaction with a position detection sensor system for detecting a respective physical spatial position and/or orientation of the interaction unit, is used to provide position data in the VR graphics system, characterized by an interaction element which is functionally and visually formed from at least two subelements which respectively provide said function selection, the at least two subelements being designed such that they can be moved in a virtual three-dimensional manner relative to one another by means of a physical three-dimensional movement of the interaction unit, and said function being selected by means of the at least two subelements being moved in a virtual three-dimensional manner relative to one another.

2. (Original) The user interface as claimed in claim 1, characterized in that at least one of the subelements is at least occasionally displayed at an essentially fixed position in the virtual scene, said function being selected by means of a virtual three-dimensional movement of the respective other subelement relative to the subelement which is at least occasionally displayed at the fixed position.

3-16. (Cancelled).

17. (New) The user interface as claimed in claim 1, characterized in that the function selection is triggered, during the movement of the at least two subelements relative to one another, if the at least two subelements at least partially touch or overlap.

18. (New) The user interface as claimed in claim 1, characterized in that the at least two-part interaction element is implemented in the form of a menu system, a function selection system or the like.

19. (New) The user interface as claimed in claim 18, characterized in that the interaction element is formed by a spherical menu system which comprises three visual subelements and comprises an inner sphere which is formed in one part, a spherical shell which is formed from at least two spherical shell segments and is arranged on the visual surface of the inner sphere and a ring which is arranged in the outer region of the sphere or spherical shell and comprises at least two ring segments, the inner sphere providing to represent an item of state information relating to the instantaneous state of the spherical menu system.

20. (New) The user interface as claimed in claim 19, characterized in that the state information indicates the menu level which is currently activated in the spherical shell segments in accordance with a menu tree.

21. (New) The user interface as claimed in claim 19, characterized in that the spherical shell segments can be correspondingly rotated about the inner sphere, by means of user-guided rotation of the interaction unit, in order to make it possible to activate various spherical shell segments.

22. (New) The user interface as claimed in claim 1, characterized in that provision is made of a latching function which depends on the angle of rotation of the interaction unit and/or of the respective subelement.

23. (New) The user interface as claimed in claim 1, characterized in that an interaction which is to be effected on the basis of a physical rotational movement and/or physical translational movement of the interaction unit is triggered a corresponding interaction only when an empirically prescribable threshold value is exceeded.

24. (New) The user interface as claimed in claim 17, characterized in that a further functional and/or visual relative displacement between the subelements is prevented as of a prescribable degree of overlap or touching between the at least two subelements.

25. (New) The user interface as claimed in claim 1, characterized in that the relative displacement between the at least two subelements is effected in a guided manner.

26. (New) The user interface as claimed in claim 1, characterized in that at least one of the subelements is visually displayed in animated form in the scene in the event of rotation and/or translation and/or touching.

27. (New) The user interface as claimed in claim 1, characterized in that the interaction unit has at least one control element which is used to at least assist said functional sequences of the user interface.

28. (New) The user interface as claimed in claim 1, characterized in that said functional sequences of the user interface are assisted using voice input and/or the detection of gestures or facial expressions of the user.

29. (New) The user interface as claimed in claim 1, characterized in that said touching or overlapping function comprises at least one logic operation.

30. (New) A virtual reality (VR) graphics system having a graphical user interface as claimed in claim 1.